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## ACTIVE DECOMPOSITION OF AN ACTIVE TRAVEL PEDAL MODULE

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# ACTIVE DECOMPOSITION OF AN ACTIVE TRAVEL PEDAL MODULE

## Technical Task:

Active accelerator pedals are used in more and more vehicle projects as an additional path of the HMI driver-vehicle interface. Thereby, vehicles, which continuously become lighter and more weight-optimized, facilitate vibrations.

Consequently, the reverberation of foot pedals, such as the brake pedal and the accelerator pedal, is becoming a growing problem and so developers in premium-priced vehicles are faced with ever-increasing challenges.

## Solution:

The active accelerator pedal is actuated by the control electronics when detecting a large pedal travel gradient.

Hereby, pedal with active force on the pedal levers have proven to be particularly effective. In addition, vibration pedals can counteract the swing when correctly controlled.

## Technical innovation

